EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	32421	"antimicrobial"	USPAT	OR	ON	2007/11/28 12:42
L3	32421	L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:42
L4	52	Alimet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:42
L5	52	L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:43
L6	91150	"formic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:43
L7	43840	"butyric acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:43
L8	85612	"fumaric acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:43

EAST Search History

L9	97172	"lactic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:44
L10	113355	"benzoic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:44
L11	89574	"propionic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:44
L12	297513	L6 or L7 or L8 or L10 or L11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:44
L13	8300	L12 and L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:45
L14	4862925	food or water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:45
L15	8195	L13 and L14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/28 12:45

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1617SXK

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 12	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 13	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 15	AUG 27	USPATOLD now available on STN
NEWS 16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 18	SEP 13	FORIS renamed to SOFIS
NEWS 19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 20	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 21	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 24	OCT 19	BEILSTEIN updated with new compounds
NEWS 25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 26	NOV 19	WPIX enhanced with XML display format

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation

of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:48:14 ON 28 NOV 2007

=>
=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:48:25 ON 28 NOV 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9
DICTIONARY FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

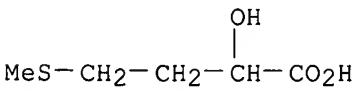
http://www.cas.org/support/stngen/stndoc/properties.html

=> s alimet
L1 14 ALIMET

=> s alimet/cn
L2 1 ALIMET/CN

=> d L2 str cn rn

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN Butanoic acid, 2-hydroxy-4-(methylthio)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Butyric acid, α-hydroxy-γ-(methylmercapto)- (4CI)
CN Butyric acid, 2-hydroxy-4-(methylthio)- (6CI, 8CI)
OTHER NAMES:
CN (+)-2-Hydroxy-4-(methylthio)butyric acid
CN α-Hydroxy-γ-(methylmercapto)butyric acid

CN α-Hydroxy-γ-(methylthio)butyric acid
CN α-Hydroxy-4-(methylthio)butyric acid
CN γ-(Methylmercapto)-α-hydroxybutyric acid
CN γ-(Methylthio)-α-hydroxybutyric acid
CN 2-Hydroxy-4-(methylmercapto)butyric acid
CN 2-Hydroxy-4-(methylthio)butanoic acid
CN 2-Hydroxy-4-(methylthio)butyric acid
CN Alimet
CN AT 88
CN BIOX-A
CN Desmenidol
CN DL-α-Hydroxy-γ-methylmercaptobutyric acid
CN DL-2-Hydroxy-4-(methylmercapto)butanoic acid
CN DL-2-Hydroxy-4-(methylmercapto)butyric acid
CN DL-2-Hydroxy-4-(methylthio)butanoic acid
CN DL-2-Hydroxy-4-(methylthio)butyric acid
CN HMTBA
CN Hydan L
CN MHA acid
CN MHA-FA
RN 583-91-5 REGISTRY

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.30	12.51

FILE 'CAPLUS' ENTERED AT 12:49:17 ON 28 NOV 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 28 Nov 2007 VOL 147 ISS 23
FILE LAST UPDATED: 27 Nov 2007 (20071127/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s 583-91-5
REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L4 530 L3

```
=> dup rem L4
PROCESSING COMPLETED FOR L4
L5          529 DUP REM L4 (1 DUPLICATE REMOVED)

=> s L4 and (AY<2004 or PY<2004 or PRY<2004)
       4751286 AY<2004
      23956025 PY<2004
       4233554 PRY<2004
L6          431 L4 AND (AY<2004 OR PY<2004 OR PRY<2004)

=> s microbes or antimicrobial
          14934 MICROBES
              1 MICROBESES
          14935 MICROBES
                  (MICROBES OR MICROBESES)
          74361 ANTIMICROBIAL
           5194 ANTIMICROBIALS
          75951 ANTIMICROBIAL
                  (ANTIMICROBIAL OR ANTIMICROBIALS)
L7        89805 MICROBES OR ANTIMICROBIAL

=> s L5 and L7
L8            529 S L5
L9              5 L8 AND L7

=> d 1-5 L9 ibib abs

L9   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:282510  CAPLUS
DOCUMENT NUMBER:          146:310933
TITLE:                    In-can and dry coatings containing
                          antimicrobial hydroxy analogs of methionine
INVENTOR(S):              Abou-Nemeh, Ibrahim
PATENT ASSIGNEE(S):       Novus International Inc., USA
SOURCE:                   PCT Int. Appl., 46pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    --------------------     --------
     WO 2007030409         A2    20070315    WO 2006-US34376          20060905
     WO 2007030409         A3    20071115
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
             KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
             MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,
             RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
     WO 2007030423         A2    20070315    WO 2006-US34477          20060905
     WO 2007030423         A3    20070419
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
```

KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AP, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, EA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, EP, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, OA, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2005-714389P P 20050906

OTHER SOURCE(S): MARPAT 146:310933

AB The invention provides coating compns. that comprise as antimicrobial agents methionine hydroxy analogs RS(CH2)mCH(OH)CO2H (R = Me or Et; M = 0, 1 or 2) or their salts, esters or amides. The antimicrobial agents may be used as preservatives to inhibit a the growth of a broad spectrum of microorganisms in the coating compns.

L9 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:258206 CAPLUS

DOCUMENT NUMBER: 146:323686

TITLE: In-can and dry coating antimicrobial compositions having hydroxy analogs of methionine for paints

INVENTOR(S): Abou-Nemeh, Ibrahim

PATENT ASSIGNEE(S): Novus International Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 21pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007053866	A1	20070308	US 2006-469967	20060905

PRIORITY APPLN. INFO.: US 2005-714387P P 20050906

OTHER SOURCE(S): MARPAT 146:323686

AB The invention provides coating compns. that comprise antimicrobial agent comprising at least one hydroxy analog of methionine and a binder. The antimicrobial agents may be used as preservatives to inhibit a broad spectrum of microorganisms in the coating compns. For example, paint preservatives contained BIOX-ASL, which composes of 2-hydroxy 4-methylthio butanoic acid, formic acid, phosphoric acid and lactic acid.

L9 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:203593 CAPLUS

DOCUMENT NUMBER: 140:234733

TITLE: Carboxylic acid microbicides for food, feed and water

INVENTOR(S): Schasteen, Charles S.; Wu, Jennifer; Buttin, Pierre; Hillebrand, Pieter; Scott, Fredrick R.; Vasquez-Anon, Mercedes

PATENT ASSIGNEE(S): Novus International, LLP, USA; Novus International, Inc.

SOURCE: PCT Int. Appl., 146 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004019683	A2	20040311	WO 2003-US27323	20030829
WO 2004019683	A3	20040415		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003268342	A1	20040319	AU 2003-268342	20030829
EP 1531672	A2	20050525	EP 2003-749300	20030829
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003013917	A	20050705	BR 2003-13917	20030829
IN 2005CN00275	A	20070330	IN 2005-CN275	20050225
MX 2005PA02307	A	20051018	MX 2005-PA2307	20050228

PRIORITY APPLN. INFO.:

US 2002-407050P	P	20020830
US 2003-441384P	P	20030121
US 2003-441584P	P	20030121
US 2003-456673P	P	20030321
US 2003-456732P	P	20030321
US 2003-465549P	P	20030425
WO 2003-US27323	W	20030829

OTHER SOURCE(S): MARPAT 140:234733

AB Antimicrobial compns. and combinations for food, feed and water comprise carboxylic acids, preferably Alimet.

L9 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1988:220722 CAPLUS
DOCUMENT NUMBER: 108:220722
TITLE: Degradation of methionine hydroxy analog in the rumen of lactating cows
AUTHOR(S): Jones, B. A.; Mohamed, O. E.; Prange, R. W.; Satter, L. D.
CORPORATE SOURCE: US Dairy Forage Res. Cent., Univ. Wisconsin, Madison, WI, 53706, USA
SOURCE: Journal of Dairy Science (1988), 71(2), 525-9
CODEN: JDSCAE; ISSN: 0022-0302
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Four lactating cows fitted with T-type cannulae in the proximal duodenum were utilized in a 4 + 4 Latin square design to study rumen microbial degradation of methionine hydroxy analog, a methionine supplement. A diet consisting of 55% concentrate and 45% corn silage was fed ad libitum 4 times daily. The 4 treatments were (1) control, no methionine hydroxy analog, (2) methionine hydroxy analog in the form of a Ca salt, (3) methionine hydroxy analog in the acid form, and (4) DL-methionine. The amino acids were incorporated into a grain mix, which was top-dressed. All diets were isonitrogenous. Twelve samples of duodenal digesta and fecal matter were collected during the last 3 days of each of the four 14-day periods. Samples were composited for anal. Microbes either altered or degraded 99% of the methionine hydroxy analog in the rumen, since recovery of the analog in duodenal digesta was <1% of the amount fed for both the acid form and the Ca salt.

L9 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:475714 CAPLUS
DOCUMENT NUMBER: 79:75714
ORIGINAL REFERENCE NO.: 79:12261a,12264a
TITLE: Effect of methionine hydroxy analog on bacterial protein synthesis from urea and glucose, starch, or cellulose by rumen microbes, in vitro
AUTHOR(S): Gil, L. A.; Shirley, R. L.; Moore, J. E.

CORPORATE SOURCE: Anim. Sci. Dep., Univ. Florida, Gainesville, FL, USA
SOURCE: Journal of Animal Science (Savoy, IL, United States) (1973), 37(1), 159-63
CODEN: JANSAG; ISSN: 0021-8812
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Addition of methionine hydroxy analog (MHA) or DL-methionine to media containing
glucose or cellulose as the substrate and urea as the N source accelerated bacterial N incorporation, NH3 metabolism, and cellulose digestion rate. Inorg. sulfate was as effective as MHA or methionine only when fermentation was prolonged beyond 18 hr with starch and 24 hr with cellulose. At 18 hr of fermentation, MHA supported more starch digestion than methionine or sulfate.

=> s mold
143990 MOLD
67940 MOLDS
L10 171540 MOLD
(MOLD OR MOLDS)

=> s L5 and L10
L11 529 S L5
L12 3 L11 AND L10

=> d 1-3 L12 ibib abs

L12 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:732961 CAPLUS
DOCUMENT NUMBER: 131:310064
TITLE: Nutrient formulation and process for feeding young poultry and other animals
INVENTOR(S): Ivey, Francis J.; Dibner, Julia J.; Knight, Christopher D.
PATENT ASSIGNEE(S): Novus International, Inc., USA
SOURCE: U.S., 20 pp., Cont.-in-part of U.S. Ser. No. 597,815, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5985336	A	19991116	US 1996-647719	19960524
US 5928686	A	19990727	US 1995-483297	19950607
CA 2222515	A1	19961219	CA 1996-2222515	19960604
CA 2222515	C	20070925		
WO 9639862	A1	19961219	WO 1996-US9075	19960604
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
AU 9661539	A	19961230	AU 1996-61539	19960604
AU 723485	B2	20000831		
EP 831718	A1	19980401	EP 1996-919116	19960604
R: BE, DE, DK, ES, FR, GB, IT, LU, NL, MC, PT, IE				
CN 1191469	A	19980826	CN 1996-195727	19960604
JP 11506617	T	19990615	JP 1996-501482	19960604
HU 9900850	A2	19990728	HU 1999-850	19960604
HU 9900850	A3	20000328		

ZA 9604883	A	19970107	ZA 1996-4883	19960607
US 5976580	A	19991102	US 1996-760881	19961206
NO 9705691	A	19971205	NO 1997-5691	19971205
US 6329001	B1	20011211	US 1999-333249	19990615
US 6210718	B1	20010403	US 1999-334968	19990617
US 2004052895	A1	20040318	US 2001-792998	20010226
US 6733759	B2	20040511		

PRIORITY APPLN. INFO.:

US 1995-483297	A2	19950607
US 1996-597815	B2	19960207
US 1995-493297	A	19950607
US 1996-647719	A	19960524
WO 1996-US9075	W	19960604
US 1996-760881	A3	19961206
US 1999-334968	A3	19990617

AB A nutrient formulation including moisture which is designed for use in poultry and other animals, and a method of feeding it which improves subsequent survival, cumulative feed efficiency and weight gain is disclosed. The method comprises making available for consumption ad libitum a high moisture material containing at least about 20% by weight water to the poultry or other animals before they are offered dry food ad libitum.

REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1965:418769 CAPLUS
DOCUMENT NUMBER: 63:18769
ORIGINAL REFERENCE NO.: 63:3357d-f
TITLE: Naphthoquinone biosynthesis in molds. The mechanism for formation of mollisin
AUTHOR(S): Bentley, Ronald; Gatenbeck, Sten
CORPORATE SOURCE: Univ. of Pittsburgh, Pittsburgh, PA, USA
SOURCE: Biochemistry (1965), 4(6), 1150-6
CODEN: BICHAW; ISSN: 0006-2960
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The biosynthesis of mollisin, 8-dichloroacetyl-2,7-dimethyl-5-hydroxy-1,4-naphthoquinone, was studied by addition of radioactive substrates to solid agar cultures of Mollisia caesia. Labeled acetate and malonate were good precursors of mollisin. Methyl-labeled methionine, mevalonic-2-14C acid (or lactone), and labeled chloroacetic and bromoacetic acids were not utilized for mollisin biosynthesis. Degradation of mollisin samples from the acetate and malonate expts. indicated a fundamental role for the acetate plus polymalonate pathway in mollisin biosynthesis. The addition of Br- to growth media did not result in the diversion of the biosynthetic pathway to a bromo analog of millisin. A red oil, isolated during the purification of crude mollisin samples, contained 2,7-dimethyl naphthazarin.

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1962:458453 CAPLUS
DOCUMENT NUMBER: 57:58453
ORIGINAL REFERENCE NO.: 57:11665h-i,11666a
TITLE: Effect of selenate ions on the growth of Neurospora crassa in the presence of various sulfur sources
AUTHOR(S): Widstrom, Virginia R.
CORPORATE SOURCE: S. Dakota Agr. Expt. Sta., Brookings
SOURCE: Proc. S. Dakota Acad. Sci. (1961), 40, 208-12
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB Wild type N. crassa was grown on Difco Bacto-Neurospora culture agar for the production of spores. The exptl. work was done in 125-ml. flasks containing 26 ml. liquid medium of Beadle and Tatum as modified by Ragland and Liverman, with added sulfur and selenate sources. The mold was

allowed to grow for 4 days at room temperature and then the mycelia were removed and dried for 4 hrs. at 100° and weighed. Dry yields in control flasks containing the equivalent of 10-3M sulfate as K_2SO_4, methionine, homocysteine, and α-hydroxy-γ-methylthiobutyric acid were approx. equal (.apprx.60 mg./flask). With the addition of selenate ions (0.5-2.5 + 10-4M K_2SeO_4), the yields in dry mycelia dropped sharply. Growth was depressed to as little as 5 mg./flask.